

09/804,886

=> d his

(FILE 'HOME' ENTERED AT 07:55:08 ON 01 OCT 2002)

FILE 'CA' ENTERED AT 07:55:16 ON 01 OCT 2002

E KATSUDA RINKO/AU  
L1 29 S E3  
E NORWOOD KEVIN TODD/AU  
L2 8 S E1-E3/AU  
E MURATA SUSUMU/AU  
L3 51 S E3  
L4 16 S (EFFERVESC? OR ACID#(P) (CARBONATE# OR BICARBONATE# OR  
NA2CO3)  
L5 32 S (EFFERVESC? OR ACID#(P) (CARBONATE# OR BICARBONATE# OR  
NA2CO3)  
L6 16 S L5 NOT L4  
L7 43 S (EFFERVESC? OR ACID#(P) (CARBONATE# OR BICARBONATE# OR  
NA2CO3)  
L8 27 S L7 NOT L6  
L9 17 S EFFERVESC?(P) (ANTIFOAM? OR (FOAM? OR SUDS?) (3A) (INHIBIT? OR  
S

FILE 'USPATFULL' ENTERED AT 08:39:41 ON 01 OCT 2002

L10 368 S L4  
L11 120 S L10 AND DETERGENT#  
L12 31 S EFFERVESC?(P) (ANTIFOAM? OR (FOAM? OR SUDS?) (3A) (INHIBIT? OR  
S

=>

=> s e3

L1 29 "KATSUDA RINKO"/AU

=> d 1-29 l1 ti

L1 ANSWER 1 OF 29 CA COPYRIGHT 2002 ACS

TI Detergent compositions with effervescence particles

L1 ANSWER 2 OF 29 CA COPYRIGHT 2002 ACS

TI Foaming system and granular laundry detergent compositions

L1 ANSWER 3 OF 29 CA COPYRIGHT 2002 ACS

TI Detergent granules providing reduced gelling, low dissolution and less residue in the wash

L1 ANSWER 4 OF 29 CA COPYRIGHT 2002 ACS

TI Granular detergent compositions containing a particulate acid and an alkaline carbonate having improved dissolution

L1 ANSWER 5 OF 29 CA COPYRIGHT 2002 ACS

TI A detergent granule containing a water-insoluble disintegrant with improved dissolution and preparation thereof

L1 ANSWER 6 OF 29 CA COPYRIGHT 2002 ACS

TI Detergent compositions containing bleach precursors

L1 ANSWER 7 OF 29 CA COPYRIGHT 2002 ACS

TI Detergent compositions containing mid-chain branched surfactants and cellulose derivatives

L1 ANSWER 8 OF 29 CA COPYRIGHT 2002 ACS

TI Solid detergent compositions comprising anionic mid-chain branched surfactants

L1 ANSWER 9 OF 29 CA COPYRIGHT 2002 ACS

TI Mid-chain branched surfactants with potassium ions

L1 ANSWER 10 OF 29 CA COPYRIGHT 2002 ACS

TI Detergent composition with a selected surfactant system containing a mid-chain branched surfactant

L1 ANSWER 11 OF 29 CA COPYRIGHT 2002 ACS

TI Detergent composition containing mid-chain branched surfactants and an electrolyte for improved performance

L1 ANSWER 12 OF 29 CA COPYRIGHT 2002 ACS

TI Detergent composition containing alkyl sulfates

L1 ANSWER 13 OF 29 CA COPYRIGHT 2002 ACS

TI Detergent compositions containing bisalkoxylated quaternary ammonium surfactants

L1 ANSWER 14 OF 29 CA COPYRIGHT 2002 ACS

TI Detergent composition

L1 ANSWER 15 OF 29 CA COPYRIGHT 2002 ACS

TI Detergent compositions providing excellent cleaning and whiteness performances on enzyme-sensitive and greasy soils and cleaning and

building perfumes on surfaces using the same

L1 ANSWER 16 OF 29 CA COPYRIGHT 2002 ACS

TI Peroxygen detergent compositions containing bis(alkoxylated) quaternary ammonium salts

L1 ANSWER 17 OF 29 CA COPYRIGHT 2002 ACS

TI Detergent compositions containing percarbonate bleach and bis(alkoxylated) quaternary ammonium salts

L1 ANSWER 18 OF 29 CA COPYRIGHT 2002 ACS

TI Peroxygen detergent compositions containing bis(alkoxylated) quaternary ammonium salts

L1 ANSWER 19 OF 29 CA COPYRIGHT 2002 ACS

TI Detergent compositions containing bis(alkoxylated) quaternary ammonium salts and builders

L1 ANSWER 20 OF 29 CA COPYRIGHT 2002 ACS

TI Bisalkoxylated alkylamine-based quaternary salts for use in detergent compositions

L1 ANSWER 21 OF 29 CA COPYRIGHT 2002 ACS

TI Detergent compositions containing cationic surfactants as boosters

L1 ANSWER 22 OF 29 CA COPYRIGHT 2002 ACS

TI Detergent compositions containing bisalkoxylated quaternary ammonium surfactants

L1 ANSWER 23 OF 29 CA COPYRIGHT 2002 ACS

TI Detergent compositions effective for cleaning both hydrophobic and hydrophilic soils and cleaning and building perfumes on surfaces using the same

L1 ANSWER 24 OF 29 CA COPYRIGHT 2002 ACS

TI Detergents containing alkoxylated quaternary ammonium surfactants

L1 ANSWER 25 OF 29 CA COPYRIGHT 2002 ACS

TI Detergents containing alkoxylated quaternary ammonium surfactants

L1 ANSWER 26 OF 29 CA COPYRIGHT 2002 ACS

TI Built detergent composition containing alkoxylated quaternary ammonium surfactant for greasy soil removal

L1 ANSWER 27 OF 29 CA COPYRIGHT 2002 ACS

TI Detergent composition of blend of soil release polymers, and alkoxylated quaternary ammonium surfactant

L1 ANSWER 28 OF 29 CA COPYRIGHT 2002 ACS

TI Detergent composition containing alkoxylated quaternary ammonium surfactant for greasy soil removal

L1 ANSWER 29 OF 29 CA COPYRIGHT 2002 ACS

TI detergent compns. effective for cleaning both hydrophobic and hydrophilic soils and cleaning and building perfumes on surfaces using the same

L2 8 ("NORWOOD KEVIN"/AU OR "NORWOOD KEVIN T"/AU OR "NORWOOD KEVIN TODD"/AU)

=> d 1-8 l2 ti

L2 ANSWER 1 OF 8 CA COPYRIGHT 2002 ACS

TI Foaming system and granular laundry detergent compositions

L2 ANSWER 2 OF 8 CA COPYRIGHT 2002 ACS

TI Detergent compositions of fast dissolution in the wash

L2 ANSWER 3 OF 8 CA COPYRIGHT 2002 ACS

TI Solid detergent compositions having improved dissolution and leave less residue in the wash

L2 ANSWER 4 OF 8 CA COPYRIGHT 2002 ACS

TI Solid detergent compositions having improved dissolution and leave less residue in the wash

L2 ANSWER 5 OF 8 CA COPYRIGHT 2002 ACS

TI Detergent granules providing reduced gelling, low dissolution and less residue in the wash

L2 ANSWER 6 OF 8 CA COPYRIGHT 2002 ACS

TI Granular compositions having improved dissolution in laundering of clothes

L2 ANSWER 7 OF 8 CA COPYRIGHT 2002 ACS

TI Determination of Alkyl Sulfates and Alkyl Ethoxysulfates in Wastewater Treatment Plant Influent and Effluent and in River Water Using Liquid Chromatography/Ion Spray Mass Spectrometry

L2 ANSWER 8 OF 8 CA COPYRIGHT 2002 ACS

TI Photoion-photoelectron coincidence studies of clusters and transient molecules

=>

L4 16 (EFFERVESC? OR ACID#(P) (CARBONATE# OR BICARBONATE# OR  
NA2CO3)) (P  
) (ANTIFOAM? OR FOAM INHIBIT? OT FOAM SUPPRESS? OR SILICONE# OR  
POLYDIMETHYLSIL?) (P) (PEG OR POLYETHYLENEGLYCOL# OR  
POLYETHYLENE  
GLYCOL)

=> d 1-16 14 ti

L4 ANSWER 1 OF 16 CA COPYRIGHT 2002 ACS

TI Method for synthesizing reactive cyclocarbonate functional  
group-containing solid phase for enzyme immobilization

L4 ANSWER 2 OF 16 CA COPYRIGHT 2002 ACS

TI Detergent compositions containing mid-chain branched surfactants and  
cellulose derivatives

L4 ANSWER 3 OF 16 CA COPYRIGHT 2002 ACS

TI Effervescent preparation of amantadine sulfate

L4 ANSWER 4 OF 16 CA COPYRIGHT 2002 ACS

TI Granular antifoaming agent compositions and storage-stable granular  
laundry detergent compositions

L4 ANSWER 5 OF 16 CA COPYRIGHT 2002 ACS

TI Low sudsing granular detergent composition containing optimally selected  
levels of a foam control agent and enzymes

L4 ANSWER 6 OF 16 CA COPYRIGHT 2002 ACS

TI Adhesive sheets or adhesive-bonded substrates with improved adhesion on  
heating

L4 ANSWER 7 OF 16 CA COPYRIGHT 2002 ACS

TI Silicone-containing powders for dentifrices

L4 ANSWER 8 OF 16 CA COPYRIGHT 2002 ACS

TI Antiplaque dentifrices containing dimethicone copolyol and silicone  
surfactants

L4 ANSWER 9 OF 16 CA COPYRIGHT 2002 ACS

TI Production method for high-effectiveness disinfectant tablets

L4 ANSWER 10 OF 16 CA COPYRIGHT 2002 ACS

TI Composition for treating aluminium surfaces before anodizing

L4 ANSWER 11 OF 16 CA COPYRIGHT 2002 ACS

TI Difficulty flammable lubricating-hydraulic fluid, especially for  
metallurgical induction furnaces

L4 ANSWER 12 OF 16 CA COPYRIGHT 2002 ACS

TI A standard effervescent couple: a new wet granulation method and  
determination of carbon dioxide release

L4 ANSWER 13 OF 16 CA COPYRIGHT 2002 ACS

TI Enzymic contact lens cleaning product with pH-controlled activity

L4 ANSWER 14 OF 16 CA COPYRIGHT 2002 ACS

TI Silicone rubber coating materials

L4 ANSWER 15 OF 16 CA COPYRIGHT 2002 ACS

TI Demulsifier additive compositions for lubricants and fuels and concentrates containing them

L4 ANSWER 16 OF 16 CA COPYRIGHT 2002 ACS

TI Creaseproofing cellulose-based fabrics

=>

5            32 (EFFERVESC? OR ACID#(P)(CARBONATE# OR BICARBONATE# OR NA2CO3))(P  
              )(ANTIFOAM? OR (FOAM? OR SUDS?)(3A)(INHIBIT? OR SUPPRESS? OR  
              CONTROL?) OR SILICON? OR POLYDIMETHYLSIL?)(P)(PEG OR  
POLYETHYLEN  
              EGLYCOL# OR POLYETHYLENE GLYCOL)

=> s 15 not 14

L6            16 L5 NOT L4

=> d 1-16 16 ti

L6    ANSWER 1 OF 16    CA    COPYRIGHT 2002 ACS

TI    Semipermanent hair dyes containing direct dyes and solvents

L6    ANSWER 2 OF 16    CA    COPYRIGHT 2002 ACS

TI    Effervescent pharmaceutical granules comprising an acidic agent, an  
alkali  
agent, and a hot-melt extrudable binder

L6    ANSWER 3 OF 16    CA    COPYRIGHT 2002 ACS

TI    Preparation of self-control foaming acrylic acid emulsion for nonwoven  
fabrics

L6    ANSWER 4 OF 16    CA    COPYRIGHT 2002 ACS

TI    Laundering with a low sudsing granular detergent composition containing  
optimally selected levels of a foam control agent, bleach  
activator/ peroxygen bleaching agent system and enzyme

L6    ANSWER 5 OF 16    CA    COPYRIGHT 2002 ACS

TI    Coating composition and process for treating metal

L6    ANSWER 6 OF 16    CA    COPYRIGHT 2002 ACS

TI    Laundry and machine dishwashing detergents containing org. peracid  
bleaching systems that release at a slower rate than water-sol. builders

L6    ANSWER 7 OF 16    CA    COPYRIGHT 2002 ACS

TI    Laundry and machine dishwashing detergents containing org. peracid  
bleaching systems that release at a slower rate than heavy metal  
sequestrants and optionally than water-sol. builders

L6    ANSWER 8 OF 16    CA    COPYRIGHT 2002 ACS

TI    Laundry and machine dishwashing detergents having controlled release of  
peracid bleach

L6    ANSWER 9 OF 16    CA    COPYRIGHT 2002 ACS

TI    Laundry and machine-dishwashing detergents containing a builder and a  
delayed-release enzyme

L6    ANSWER 10 OF 16    CA    COPYRIGHT 2002 ACS

TI    Laundry and machine-dishwashing detergents containing a heavy-metal  
sequestrant and a delayed-release enzyme

L6    ANSWER 11 OF 16    CA    COPYRIGHT 2002 ACS

TI    Laundry and machine dishwashing detergents containing an enzyme and a  
delayed-release peroxy acid bleaching system

L6    ANSWER 12 OF 16    CA    COPYRIGHT 2002 ACS

TI    Laundry and machine dishwashing detergents containing enzymes that  
release

at a slower rate than the surfactant and optionally than the builder

L6 ANSWER 13 OF 16 CA COPYRIGHT 2002 ACS

TI Solid composition of agricultural chemical and method for its production

L6 ANSWER 14 OF 16 CA COPYRIGHT 2002 ACS

TI Effervescent tablets: role of monosodium citrate in an effervescent couple

L6 ANSWER 15 OF 16 CA COPYRIGHT 2002 ACS

TI Detergent composition providing rinse cycle suds and turbidity control containing a soap, quaternary ammonium salt and a silicone

L6 ANSWER 16 OF 16 CA COPYRIGHT 2002 ACS

TI Study of a standard effervescent pair: demonstration of a wet granulation method and control of carbon dioxide release

=>



L8 ANSWER 9 OF 27 CA COPYRIGHT 2002 ACS

AN 130:53981 CA

TI Granular antifoaming agent compositions and storage-stable granular laundry detergent compositions

IN Kawanabe, Takeshi; Morita, Akitomo; Abe, Seiji

PA Lion Corp., Japan

SO Jpn. Kokai Tokkyo Koho, 10 pp.

CODEN: JKXXAF

DT Patent

LA Japanese

IC ICM C11D003-60

ICS C11D001-28; C11D017-06; C11D003-60; C11D003-37; C11D003-382;  
C11D003-04

CC 46-5 (Surface Active Agents and Detergents)

FAN.CNT 1

	PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
	-----	---	-----	-----	-----
PI	JP 10306294	A2	19981117	JP 1997-114889	19970502
AB	Title compns. contain <b>silicon antifoaming</b> agents, natural starch and/or cold water-insol. processed starch, Na <sub>2</sub> SO <sub>4</sub> , and thermoplastic org. binders (m.p. .gtoreq.40.degree.). Granular detergent compns. contg. the <b>antifoaming</b> agent compns., are also claimed. Thus, a mixt. of SH 5500 10, Na <sub>2</sub> SO <sub>4</sub> 75, DP 35 (rice starch) 5, Na <sub>2</sub> SO <sub>4</sub> 75, and <b>polyethylene glycol</b> (m.p. 64.degree.) 10% was kneaded, granulated, and sieved to obtain an <b>antifoaming</b> agent (av. size 550 .mu.m), 1.48% of which was mixed with Na .alpha.-sulfofatty <b>acid</b> Me ester 12, soap 8, K linear alkylbenzenesulfonate 10, K .alpha.-olefinsulfonate 2, polyoxyethylene dodecyl ether 2, A-type zeolite 18, K <sub>2</sub> CO <sub>3</sub> 10, Tinopal CBS 0.2, 2Na 4,4'-bis(4-anilino-6-morpholino-1,3,5-triazin-2-ylamino)stilbene-2,2'-disulfonate 0.1, perfume 0.2, Sabinase 12T/Lipolase EX 1.5, Sokalan CP 5 4, laminar silicates 3, H <sub>2</sub> O 7%, and balance <b>Na<sub>2</sub>CO<sub>3</sub></b> to give a granular laundry detergent.				
ST	starch silicon granular antifoaming agent; sodium sulfate silicone granular antifoaming agent; laundry detergent granular polysiloxane antifoaming agent; storage stability laundry detergent antifoaming agent				
IT	Polyoxyalkylenes, uses RL: TEM (Technical or engineered material use); USES (Uses) (binders; granular silicone antifoaming agent compns. contg. starch, Na <sub>2</sub> SO <sub>4</sub> , and org. binders for granular laundry detergents)				
IT	Antifoaming agents (granular silicone antifoaming agent compns. contg. starch, Na <sub>2</sub> SO <sub>4</sub> , and org. binders for granular laundry detergents)				
IT	Polysiloxanes, uses RL: TEM (Technical or engineered material use); USES (Uses) (granular silicone antifoaming agent compns. contg. starch, Na <sub>2</sub> SO <sub>4</sub> , and org. binders for granular laundry detergents)				
IT	Detergents (laundry, granular; granular silicone antifoaming agent compns. contg. starch, Na <sub>2</sub> SO <sub>4</sub> , and org. binders for granular laundry detergents)				
IT	9005-25-8, Starch, uses RL: TEM (Technical or engineered material use); USES (Uses) (DP 35; granular silicone antifoaming agent compns. contg. starch, Na <sub>2</sub> SO <sub>4</sub> , and org. binders for granular laundry detergents)				
IT	25322-68-3				

RL: TEM (Technical or engineered material use); USES (Uses)  
    (bindings; granular silicone antifoaming agent compns. contg. starch,  
    Na<sub>2</sub>SO<sub>4</sub>, and org. binders for granular laundry detergents)  
IT 7757-82-6, Sodium sulfate, uses 60472-42-6, Sokalan CP 5 145538-87-0,  
SH 5500  
RL: TEM (Technical or engineered material use); USES (Uses)  
    (granular silicone antifoaming agent compns. contg. starch, Na<sub>2</sub>SO<sub>4</sub>,  
and  
    org. binders for granular laundry detergents)

=>

L9 17 EFFERVESC?(P) (ANTIFOAM? OR (FOAM? OR SUDS?)(3A) (INHIBIT? OR  
SUPPRESS? OR CONTROL?))

=> d 1-17 19 ti

L9 ANSWER 1 OF 17 CA COPYRIGHT 2002 ACS  
TI Amino acid effervescing agent

L9 ANSWER 2 OF 17 CA COPYRIGHT 2002 ACS  
TI Effervescent granulate with delayed effervescence

L9 ANSWER 3 OF 17 CA COPYRIGHT 2002 ACS  
TI Detergent compositions of fast dissolution in the wash

L9 ANSWER 4 OF 17 CA COPYRIGHT 2002 ACS  
TI Effervescent preparation of amantadine sulfate

L9 ANSWER 5 OF 17 CA COPYRIGHT 2002 ACS  
TI Laundry detergent compositions and manufacture thereof and using the same  
in machine washing

L9 ANSWER 6 OF 17 CA COPYRIGHT 2002 ACS  
TI Foamable cosmetic mask product containing an effervescent agent and an  
acid

L9 ANSWER 7 OF 17 CA COPYRIGHT 2002 ACS  
TI Granular product or tablet containing an effervescent system

L9 ANSWER 8 OF 17 CA COPYRIGHT 2002 ACS  
TI Antifoam compositions for treatment of stomach disorders

L9 ANSWER 9 OF 17 CA COPYRIGHT 2002 ACS  
TI Tablets of detergent compositions for glass cleaning

L9 ANSWER 10 OF 17 CA COPYRIGHT 2002 ACS  
TI Prevention of foaming and film formation during use of effervescent  
calcium-containing tablets by inclusion of monionic surfactants

L9 ANSWER 11 OF 17 CA COPYRIGHT 2002 ACS  
TI Denture cleanser tablet containing alkaline proteinase from *Bacillus  
licheniformis*

L9 ANSWER 12 OF 17 CA COPYRIGHT 2002 ACS  
TI Preparation of granulations for the double-contrast examination of the  
stomach

L9 ANSWER 13 OF 17 CA COPYRIGHT 2002 ACS  
TI Effervescent cleansers

L9 ANSWER 14 OF 17 CA COPYRIGHT 2002 ACS  
TI Effervescent cosmetic compositions

L9 ANSWER 15 OF 17 CA COPYRIGHT 2002 ACS  
TI Packaged effervescent mouthwash composition

L9 ANSWER 16 OF 17 CA COPYRIGHT 2002 ACS  
TI Fluorine-containing organosilicon compounds

L9 ANSWER 17 OF 17 CA COPYRIGHT 2002 ACS  
TI Denture cleansing composition

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